



What You Feel Is What I Do: A Study of Dynamic Haptic Interaction in Distributed Collaborative Virtual Environment

Submitted by Emmanuel Lemoine on Thu, 01/30/2014 - 14:53

Titre	What You Feel Is What I Do: A Study of Dynamic Haptic Interaction in Distributed Collaborative Virtual Environment
Type de publication	Communication
Type	Communication avec actes dans un congrès
Année	2011
Langue	Anglais
Date du colloque	2011
Titre du colloque	14th International Conference Human-Computer Interaction, HCI 2011
Titre des actes ou de la revue	Human-Computer Interaction. Interaction Techniques and Environments Part 2
Volume	6762
Pagination	140 - 147
Auteur	Ullah, Sehat [1], Liu, Xianging [2], Otmane, Samir [3], Richard, Paul [4], Mallem, Malik [5]
Auteur secondaire	Jacko, Julie A [6]
Pays	Etats-Unis
Editeur	Springer
Ville	Orlando
ISBN	978-3-642-21604-6 / 978-3-642-21605-3
Mots-clés	CVE [7], Data Mining and Knowledge Discovery [8], haptic guide [9], Human performance [10], image processing and computer vision [11], Information Systems Applications (incl.Internet) [12], Multimedia Information Systems [13], Signal, Image and Speech Processing [14], User Interfaces and Human Computer Interaction [15], virtual reality [16]
Résumé en anglais	In this paper we present the concept of "What You Feel Is What I Do (WYFIWID)". The concept is fundamentally based on a haptic guide that allows an expert to control the hand of a remot trainee. When haptic guide is active then all movements of the expert's hand (via input device) in the 3D space are haptically reproduced by the trainee's hand via a force feedback device. We use haptic guide to control the trainee's hand for writing alphabets and drawing geometrical forms. Twenty subjects participated in the experiments to evaluate.
Notes	Date du colloque : 07/2011
URL de la notice	http://okina.univ-angers.fr/publications/ua1685 [17]
DOI	10.1007/978-3-642-21605-3_16 [18]
Lien vers le document en ligne	http://dx.doi.org/10.1007/978-3-642-21605-3_16 [18]

Liens

- [1] [http://okina.univ-angers.fr/publications?f\[author\]=1967](http://okina.univ-angers.fr/publications?f[author]=1967)
- [2] [http://okina.univ-angers.fr/publications?f\[author\]=2344](http://okina.univ-angers.fr/publications?f[author]=2344)
- [3] [http://okina.univ-angers.fr/publications?f\[author\]=2201](http://okina.univ-angers.fr/publications?f[author]=2201)
- [4] <http://okina.univ-angers.fr/paul.richard/publications>
- [5] [http://okina.univ-angers.fr/publications?f\[author\]=2203](http://okina.univ-angers.fr/publications?f[author]=2203)
- [6] [http://okina.univ-angers.fr/publications?f\[author\]=2222](http://okina.univ-angers.fr/publications?f[author]=2222)
- [7] [http://okina.univ-angers.fr/publications?f\[keyword\]=4215](http://okina.univ-angers.fr/publications?f[keyword]=4215)
- [8] [http://okina.univ-angers.fr/publications?f\[keyword\]=6001](http://okina.univ-angers.fr/publications?f[keyword]=6001)
- [9] [http://okina.univ-angers.fr/publications?f\[keyword\]=5855](http://okina.univ-angers.fr/publications?f[keyword]=5855)
- [10] [http://okina.univ-angers.fr/publications?f\[keyword\]=6613](http://okina.univ-angers.fr/publications?f[keyword]=6613)
- [11] [http://okina.univ-angers.fr/publications?f\[keyword\]=5850](http://okina.univ-angers.fr/publications?f[keyword]=5850)
- [12] [http://okina.univ-angers.fr/publications?f\[keyword\]=6003](http://okina.univ-angers.fr/publications?f[keyword]=6003)
- [13] [http://okina.univ-angers.fr/publications?f\[keyword\]=6004](http://okina.univ-angers.fr/publications?f[keyword]=6004)
- [14] [http://okina.univ-angers.fr/publications?f\[keyword\]=3343](http://okina.univ-angers.fr/publications?f[keyword]=3343)
- [15] [http://okina.univ-angers.fr/publications?f\[keyword\]=6005](http://okina.univ-angers.fr/publications?f[keyword]=6005)
- [16] [http://okina.univ-angers.fr/publications?f\[keyword\]=5857](http://okina.univ-angers.fr/publications?f[keyword]=5857)
- [17] <http://okina.univ-angers.fr/publications/ua1685>
- [18] http://dx.doi.org/10.1007/978-3-642-21605-3_16

Publié sur *Okina* (<http://okina.univ-angers.fr>)